

FIG. 1

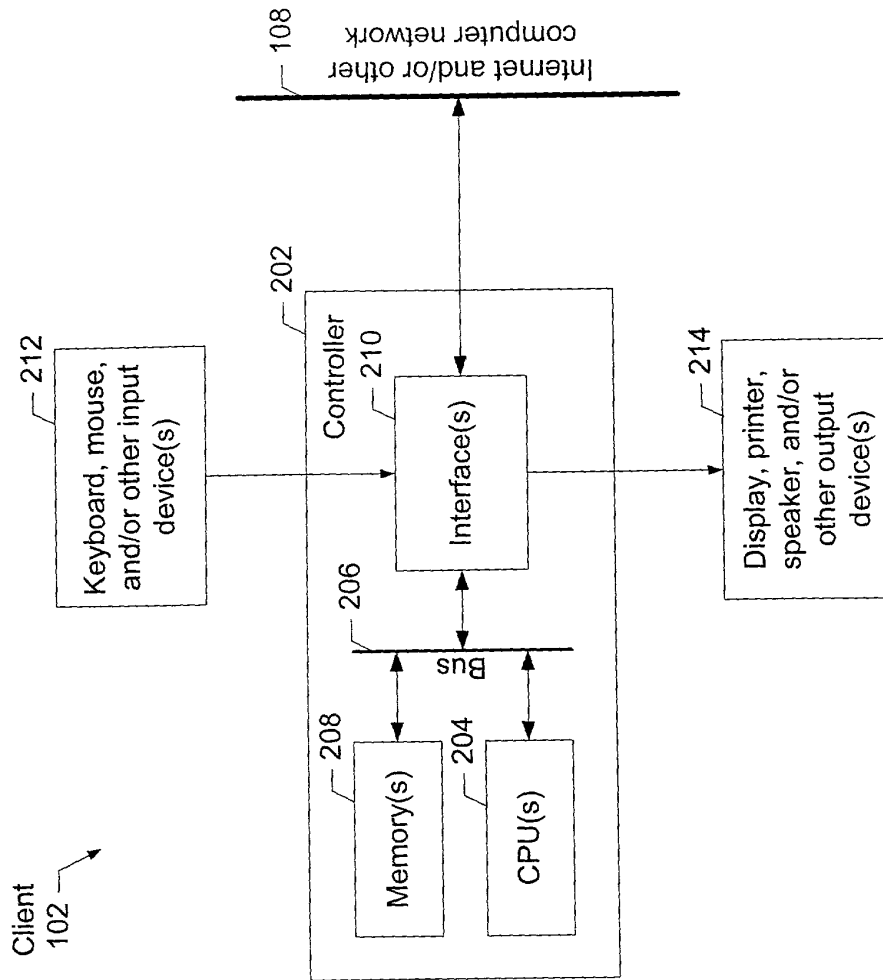


FIG. 2

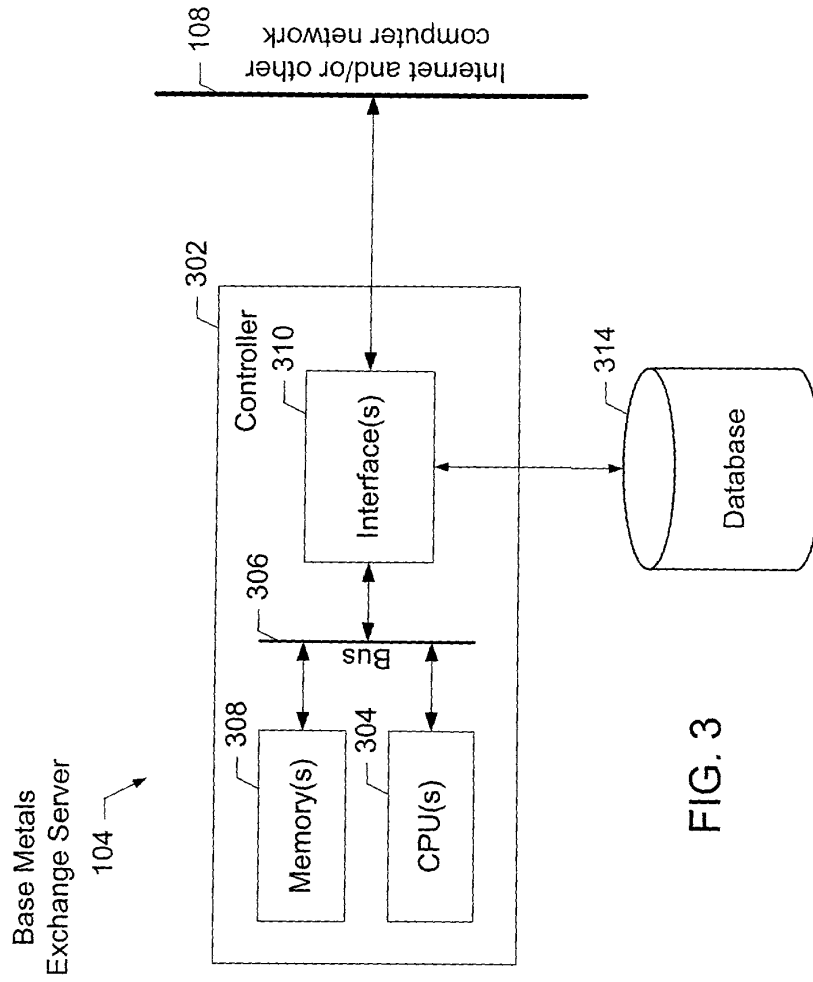


FIG. 3

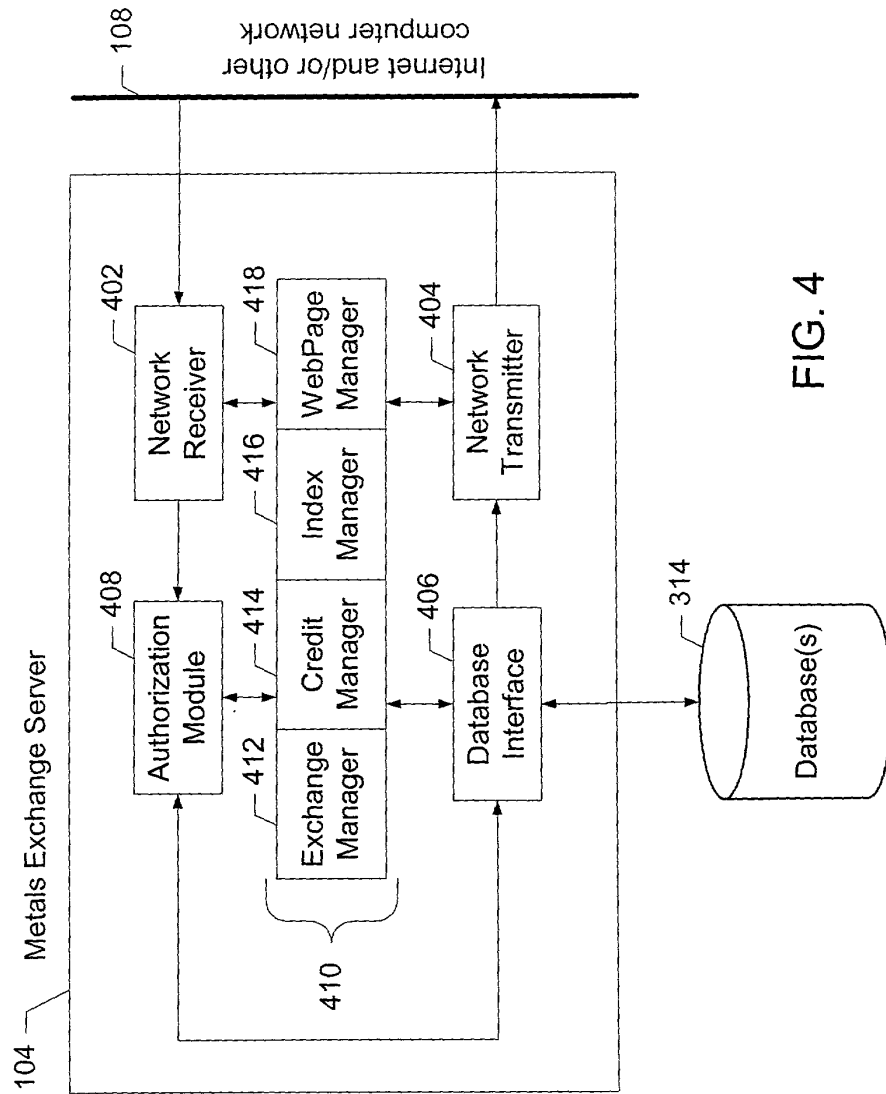


FIG. 4

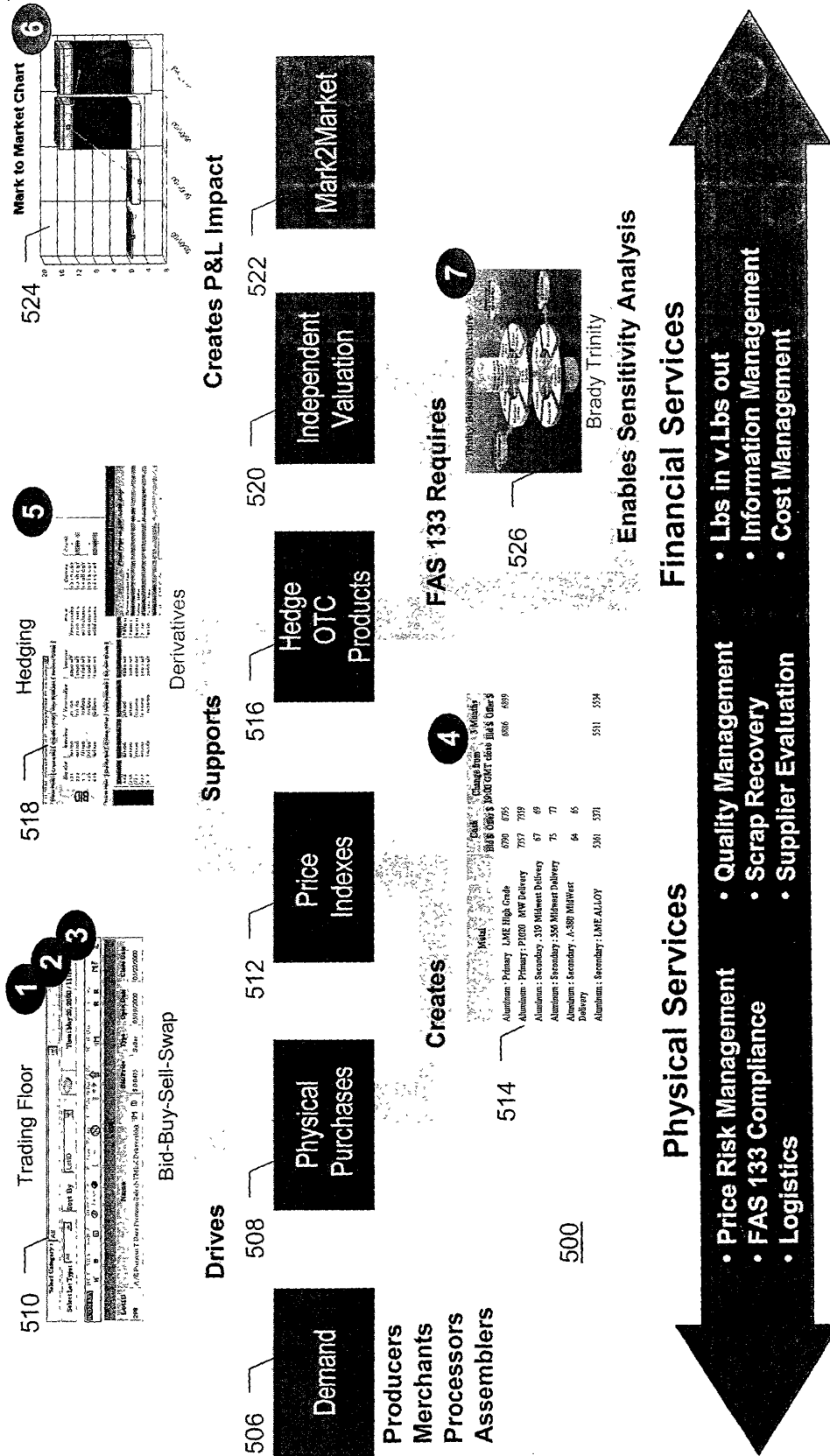


FIG. 5

Physical Management Solution

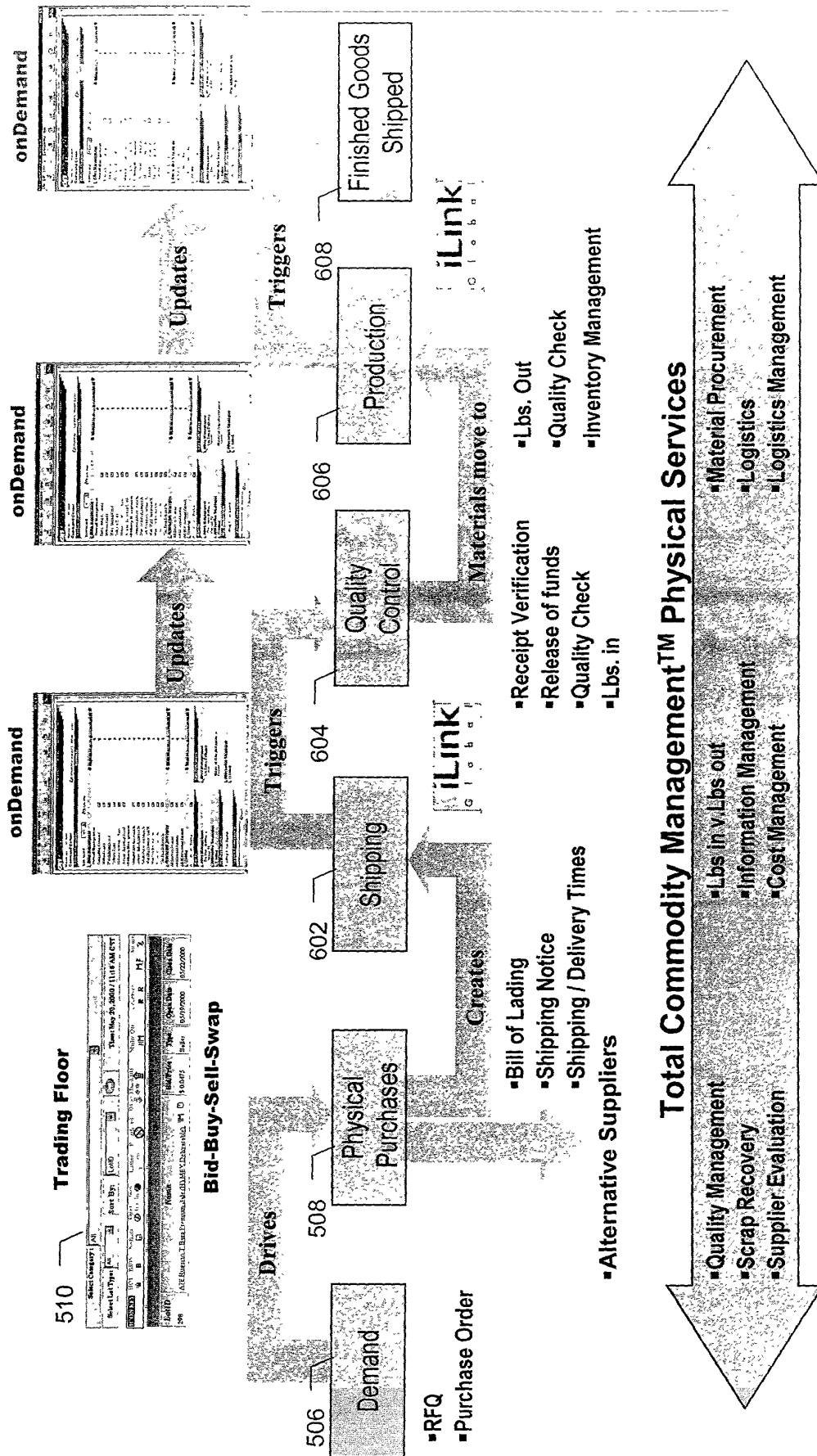


FIG. 6

Logistics (main page)

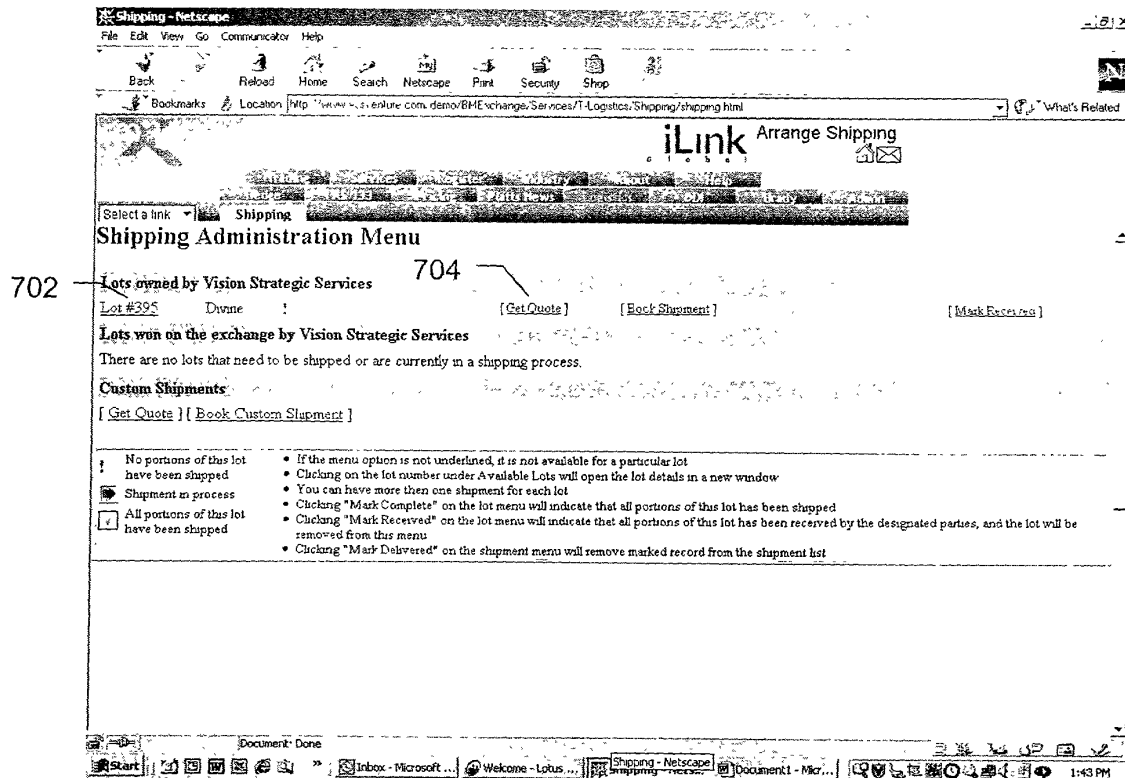


FIG. 7

Logistics (lot detail)

Base Metals Exchange DEMO Lot 395 - Netscape

File Edit View Go Communicator Help

Bookmarks Location <http://www.vssventure.com/baine/cd/staple-admin/lotPreview.cfm?lotID=395> What's Related

Details of Lot 395 - Divine

Lot posted by: Sandy (U) Links For: [View Lot Owner Homepage](#)
[Feedback to run for the Owner](#)

[SHIR QUOTE](#) [REFRESH](#) [BID/OFFER](#) [E-mail Watch](#) [Mail Trader](#) [INFO](#)

Page Auto-Refresh - On [Turn Off](#)

Rate Information		Misc Information	
Auction Status:		Category:	Aluminum Casting: A380.1
Opening bid:	\$ 0.0000	Lot:	Default Zero - Base Chem
Bid:	\$ 8.0000	Chemistry:	Default
Next Winning bid:	\$ 0.0000	Links For:	Offered Chemistry
Time last bid received:	02/14/2001 12:27 PM CST	Auction Opens:	02/14/2001 12:00 PM CST
Current Time:	March 05, 2001 01:44 PM CST	Auction Closes:	02/14/2001 10:00 PM CST (or 10 minutes after last bid)
Quantity Requested:	1.000 Metric Ton	Location:	MW
		Shipping Policy:	FOB Midwest

Description

Current High Bidders

Bid	Trade Quantity	Date / Time Of Trade	Corporate Certificates
\$ 0.2455	555 Metric Ton	02/14/2001 12:27 PM CST	ISC Q5

Current Exchange Time: 1:44:39 PM

Start | [Inbox - Mgr...](#) | [Welcome - L...](#) | [Shipping - N...](#) | [Document1 ...](#) | [Base Metal...](#) | 1:44 PM

FIG. 8

Shipping - Netscape

File Edit View Go Communicator Help

Back Reload Home Search Netscape Print Security Shop

Bookmarks Location <http://www.vstventure.com/demo/BMEexchange/Services/Logistics/Shipping/shipping.html> What's Related

iLink Arrange Shipping

Trading Services Logistics Community Knowledge

Home Finance Insurance Procurement Plant/Lease Site Audit

Select a link Shipping

Request Shipment Quote (Full Truck Load)

Source Country (2-digit code)

Source Zipcode

Destination Country (2-digit code)

Destination Zipcode

Weight (max 44000 lbs) lbs

Truck Type

Insurance Value

906

Document: Done

Start | Inbox - Micr... | Welcome - L... | Shipping - ... | Document1 ...

11:45 PM

FIG. 9

Logistics (receive quote)

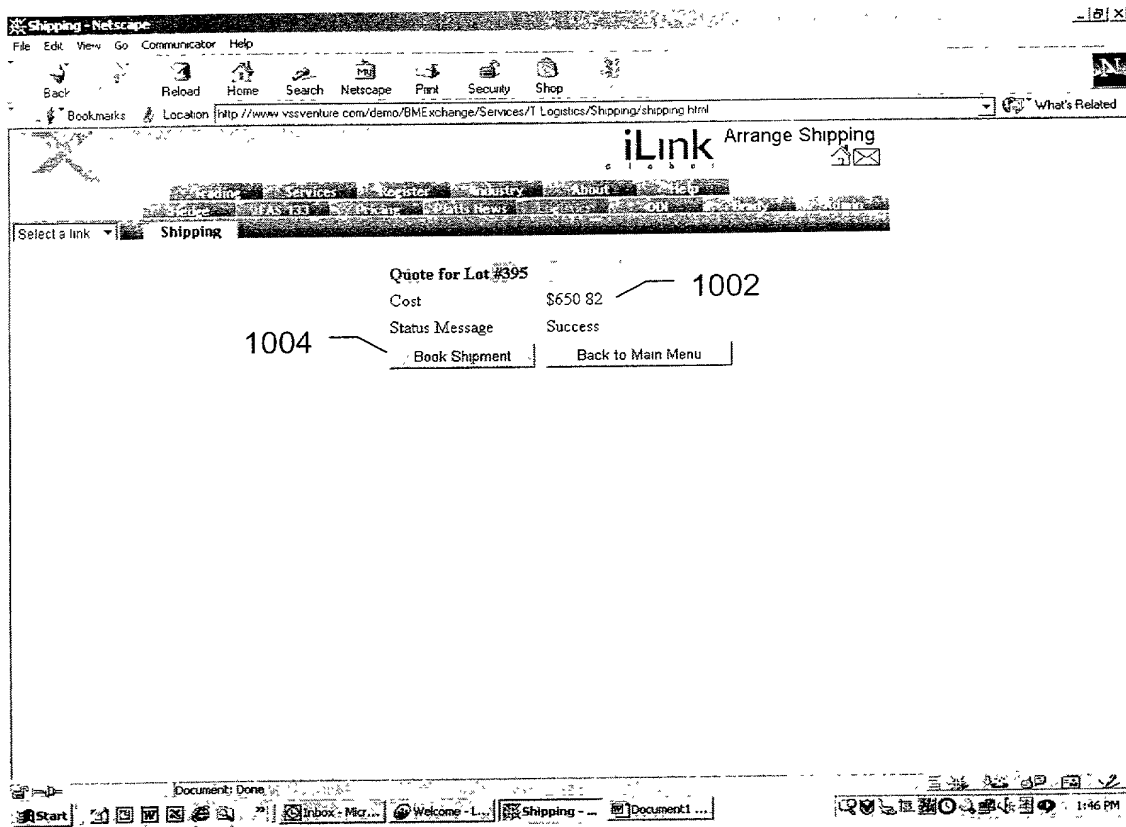


FIG. 10

Logistics (detailed shipping info)

Shipping - Netscape

File Edit View Go Communicator Help

Back Reload Home Search Netscape Print Security Shop

Bookmarks Location http://www.ss-venture.com/demo/BMEExchange/Services/IT-Logistics/Shipping/shipping.html

What's Related

iLink Arrange Shipping

Select a link Shipping

Shipping Origin Information

Company Vision Strategic Service *

Contact Name Sanford Beard *

Address 1 Two Transam Drive *

Address 2 Suite 210 *

City Oakbrook Terrace *

State IL * Zipcode 60181 *

Country Code US * (2-letter code)

Contact Phone * Ext *

Contact Fax *

Contact E-Mail sbeard@visionsds.com *

Shipping Destination Information

Company *

Contact Name *

Address 1 *

Address 2 *

City *

State * Zipcode *

Country Code US * (2-letter code)

Contact Phone * Ext *

Contact Fax *

Contact E-Mail *

Pickup After

Date (mm/dd/yyyy) / / Calendar

Time AM

Pickup Before

Date (mm/dd/yyyy) / / Calendar

Deliver After

Date (mm/dd/yyyy) / / Calendar

Time AM

Deliver Before

Date (mm/dd/yyyy) / / Calendar

Document: Done

Start Inbox - Mic... Welcome - L... Shipping - Document1...

1:47 PM

FIG. 11A

Shipping - Netscape

File Edit View Go Communicator Help

Back Reload Home Search Netscape Print Security Shop

Bookmarks Location <http://www.vssventure.com/demo/EME-change/Services/T/Logistics/Shipping/Shipping.html> What's Related

iLink Arrange Shipping

Select a link

Shipping

Time AM PM

Pickup Notes (up to 255 characters)

Delivery Notes (up to 255 characters)

Shipment Details:

The maximum weight that can be booked in one truck is 44000 lbs The total weight of the lot you are shipping is 2204620 lbs You will need to book 51 truck(s) to ship this amount

Item Divine

Description *

Internal Item ID

Weight 44000 * lbs (max 44000)

Insurance Value * US \$

Truck Type Flat bed

Item Shape Baled

Submit 1102

Documents: Done

Start Inbox - Micr... Welcome - L... Shipping - ... Document1 ...

1:50 PM

FIG. 11B

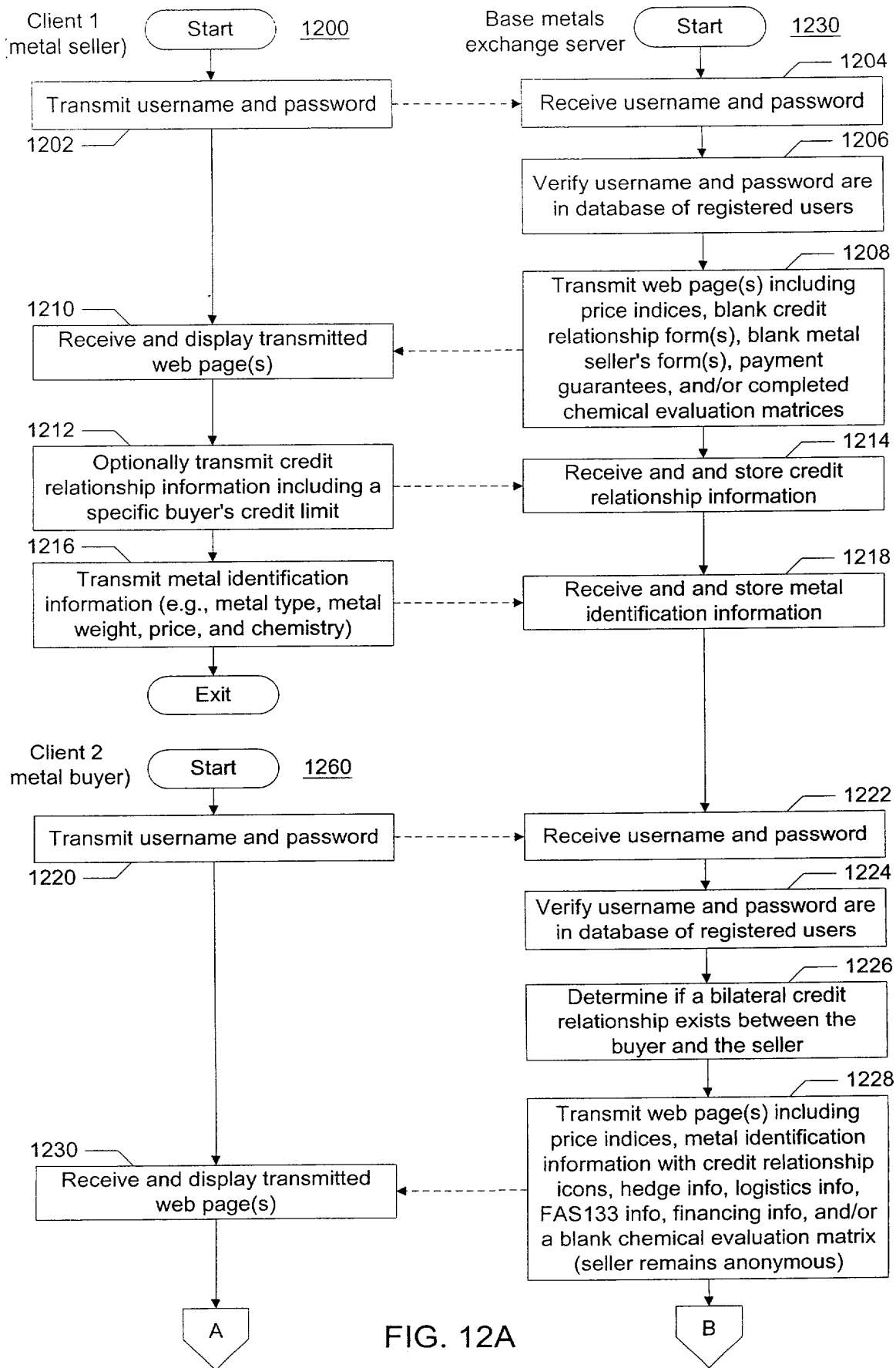


FIG. 12A

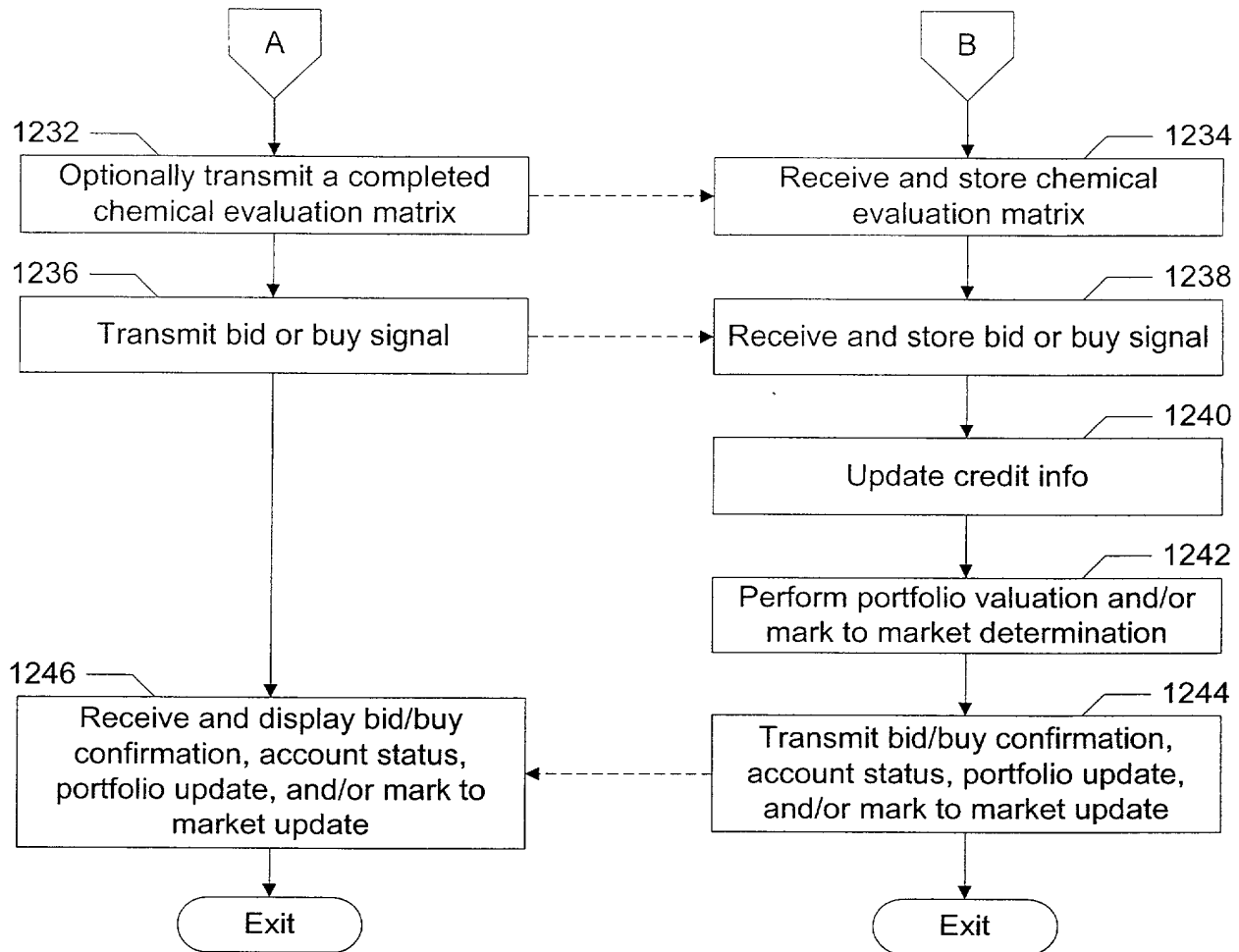


FIG. 12B

Logging into the system

The screenshot shows a Netscape browser window titled "T-TradeFloor - Netscape". The address bar displays "http://www.vssventure.com/demo/BME%change/T-TradeFloor/t-trade-floor.html". The page header includes "Trade Floor" with a home icon and a "What's Related" link. A navigation bar contains links: "Select a link", "Trade", "My Postings", "Accounts", "Postings", "Pricing", "Platts News", "Features", and "Support". The main content area is titled "Member Login" and contains the following fields and links:

- Username:
- Password:
- [Forgot your password?](#)
- Not a Member? Please [click here](#) to register

The browser's status bar at the bottom shows "Document: Done", a taskbar with "Start", "Inbox - Mic...", "patent appl...", "Screen shot...", and "T-TradeFlo...", and a system clock showing "5:07 PM".

FIG. 13

Main physical trading floor

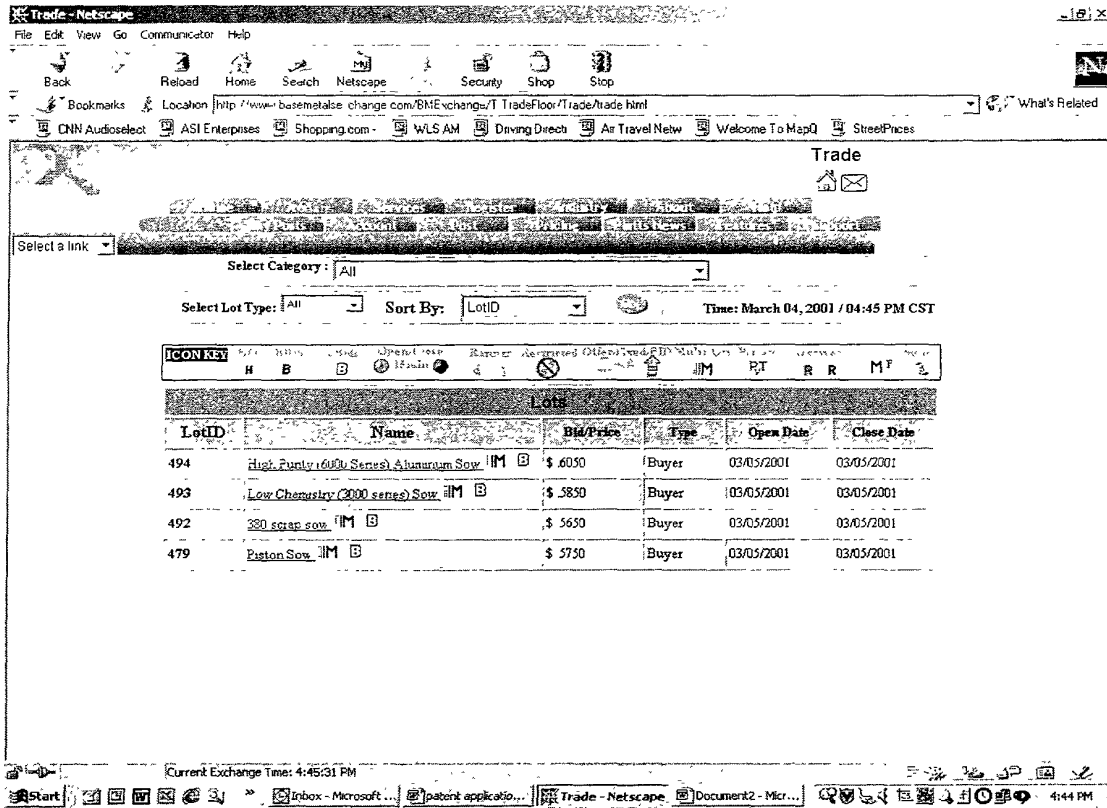


FIG. 14

Hedge trading floor

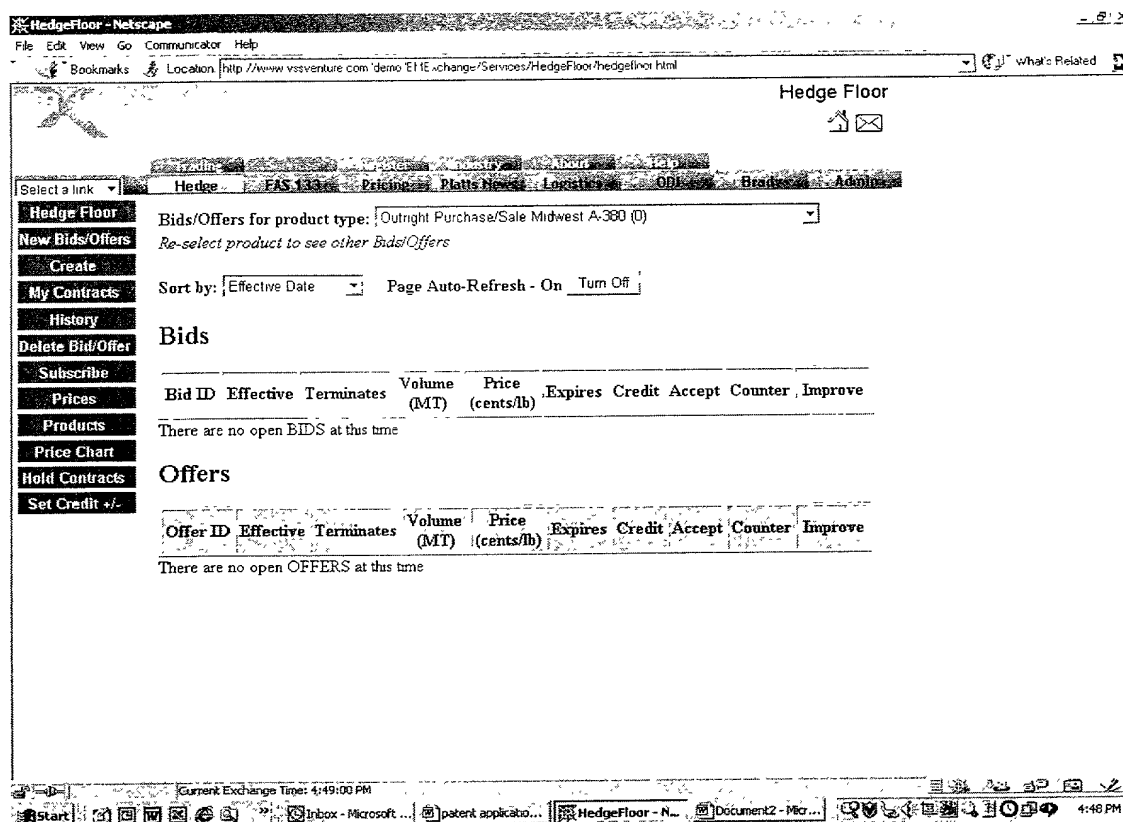


FIG. 15

Price index information

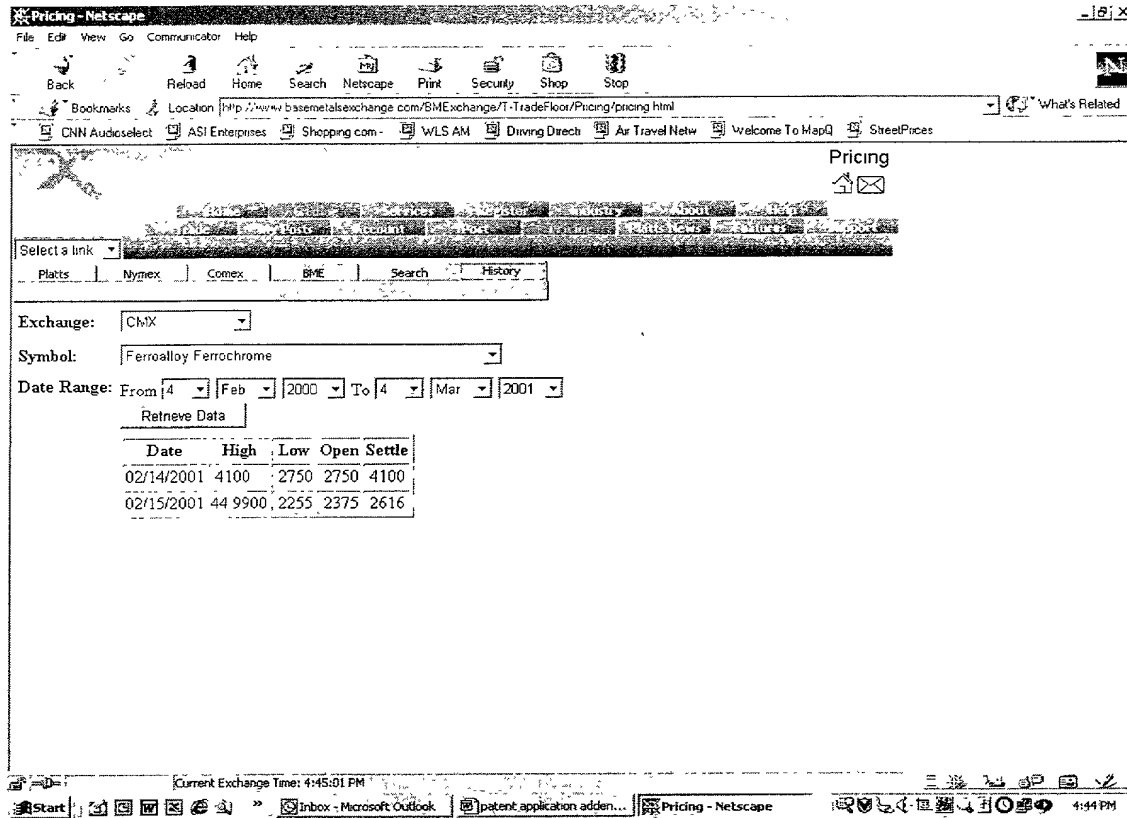


FIG. 16

Credit relationship form

Hedge Credit Approval/Refusal

[New (Unrated) Corporations] [Refused Credit] [Accepted Credit]

New (Unrated) Corporations

Company	Rating
AIG International INC	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
Cargill Investor Services Limited	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
Enron Metals & Commodity Limited	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
General Motors	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
Hydro Aluminum Louisville, Inc	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
Koch	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
MELANIE	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
Mitsui Bussan Commodities	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit
refco	<input type="radio"/> Accept Credit <input type="radio"/> Refuse Credit

Corporations Refused Credit

Company	Rating
Friesman	<input type="radio"/> Accept Credit <input checked="" type="radio"/> Refuse Credit
Mitsui & Co., USA, Inc	<input type="radio"/> Accept Credit <input checked="" type="radio"/> Refuse Credit

Corporations With Accepted Credit

Company	Rating
---------	--------

Start | [Icons] | [Inbox - Mca...] | [patent appl...] | [Hedge Trade...] | [Hedge floor ...] | Rate Credit... | [Icons] | 5:01 PM

FIG. 17

T-Create - Netscape
File Edit View Go Communicator Help

Create
↑ ⊗

Select a link ▼

You may create a listing for any of the following BME change Services
All of the service option allow the "Posting Party" to set the rules for each LOT listed within each service area. These rules include the start and stop times, opening bid amount, and bid increments to name a few. Unless the "automatic winner" option is turned on, all winning bids must be reviewed and accepted by the "Posting Party".
All notification are done via E-Mail. Only [Registered](#) Members may actively bid on lots.

ICON KEY H B D P M R R M E S

Seller Auction	Buyer Procurement	Seller Classified
The price of the LOT moves upward, with the highest bidder winning. You must OWN the Material. You may also offer the LOT to Swap with another Lot owner.	The price of the LOT moves down until a best price equilibrium is reached. You wish to BUY the Material. Buyers may also use the Chemistry Value Matrix to calculate Chemistry indicative values.	The price of the LOT is fixed and not negotiable. You must OWN the Material.


Please contact our [Webmaster](#) with questions and comments or
Phone (847) 441-4880 Fuci Metals Inc. 405 Central Ave. Northfield, IL 60063
© Copyright 1999, 2000 T-CreateNetscape, Inc. All rights reserved.


Document: Done
Start | Inbox - Microsoft... | patent applicatio... | T-Create - Nets... | Document2 - Mic... | 4:46 PM

FIG. 18

Posting a lot for physical metal procurement

T-Create - Netscape
File Edit View Go Communicator Help

Create 

Select a link 

Build Seller Auction

[Return to your Homepage](#)

You may create your seller item below. To create an item, you must have a valid username and password.

User Name	sandy	Quantity	1
Password		Unit Of Measure	Metric Ton
<input type="checkbox"/> Email lot information to me		Category	-- Select Category --
Lot Name		Location	SE
Auction Open date/time	3 / 4 / 2001 , 05 : 00 PM	Ship From	
Auction Close date/time	3 / 4 / 2001 , 06 : 00 PM	Zipcode	
Close Basic	<input type="radio"/> Time <input checked="" type="radio"/> Time + Inactivity	Shipping Policy	FOB Midwest
Close Inactivity	10 (in whole minutes)	Currency	\$- US Dollars
Opening bid.	.0000		
Bid	.0000		

Current Exchange Time: 4:47:41 PM









Start        4:46 PM



FIG. 19

Posting a lot for physical metal procurement

T-Create - Netscape _121 x

File Edit View Go Communicator Help

Create 

Select a link  

Inactivity (in whole minutes)

Opening bid

Bid

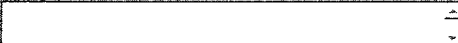

Increment

Reserve Rate (0=none, Only if lot quantity = 1)

Swap Lot If you want to accept another trader LOT as Payment select YES
If you select YES, then this SWAP lot will be active until it opens for Auction

Swap ☐ Yes ☒ No

Swap Value

Summary	
Description	

Build Item ☐ CHECK if for DRAFT ONLY

Current Exchange Time: 4:48:07 PM


Start  4:47 PM

FIG. 20

[T-Create](#)
[File](#)
[Edit](#)
[View](#)
[Go](#)
[Communicator](#)
[Help](#)

[Bookmarks](#)
[Location](#)
[http://www.vissventure.com/demo/BME/change/T_TradeFloor/T_Create/t_create.html](#)
[What's Related](#)

[Create](#)

[Select a link](#)

Metal: SI			Metal: FE		
SI High (Default: 0.0)	SI Low (Default: 0.0)	SI Avg (Default: 0.0)	FE High (Default: 0.0)	FE Low (Default: 0.0)	FE Avg (Default: 0.0)
0.0	0.0	0.0	0.0	0.0	0.0

Metal: CU			Metal: MN		
CU High (Default: 0.0)	CU Low (Default: 0.0)	CU Avg (Default: 0.0)	MN High (Default: 0.0)	MN Low (Default: 0.0)	MN Avg (Default: 0.0)
0.0	0.0	0.0	0.0	0.0	0.0

Metal: MG			Metal: CR		
MG High (Default: 0.0)	MG Low (Default: 0.0)	MG Avg (Default: 0.0)	CR High (Default: 0.0)	CR Low (Default: 0.0)	CR Avg (Default: 0.0)
0.0	0.0	0.0	0.0	0.0	0.0

Metal: NI			Metal: ZN		
NI High (Default: 0.0)	NI Low (Default: 0.0)	NI Avg (Default: 0.0)	ZN High (Default: 0.0)	ZN Low (Default: 0.0)	ZN Avg (Default: 0.0)
0.0	0.0	0.0	0.0	0.0	0.0

Metal: SN			Metal: TI		
SN High (Default: 0.0)	SN Low (Default: 0.0)	SN Avg (Default: 0.0)	TI High (Default: 0.0)	TI Low (Default: 0.0)	TI Avg (Default: 0.0)
0.0	0.0	0.0	0.0	0.0	0.0

Metal: PB			Metal: Other		
PB High (Default: 0.0)	PB Low (Default: 0.0)	PB Avg (Default: 0.0)	Other Total (Default: 0.0)	Other Each (Default: 0.0)	Other Avg (Default: 0.0)
0.0	0.0	0.0	0.0	0.0	0.0

Current Exchange Time: 5:12:48 PM

[Start](#)
[Inbox - Mic...](#)
[patent appl...](#)
[Screen shot...](#)
[T-Create](#)

5:12 PM

FIG. 21

Chemistry “value matrix”

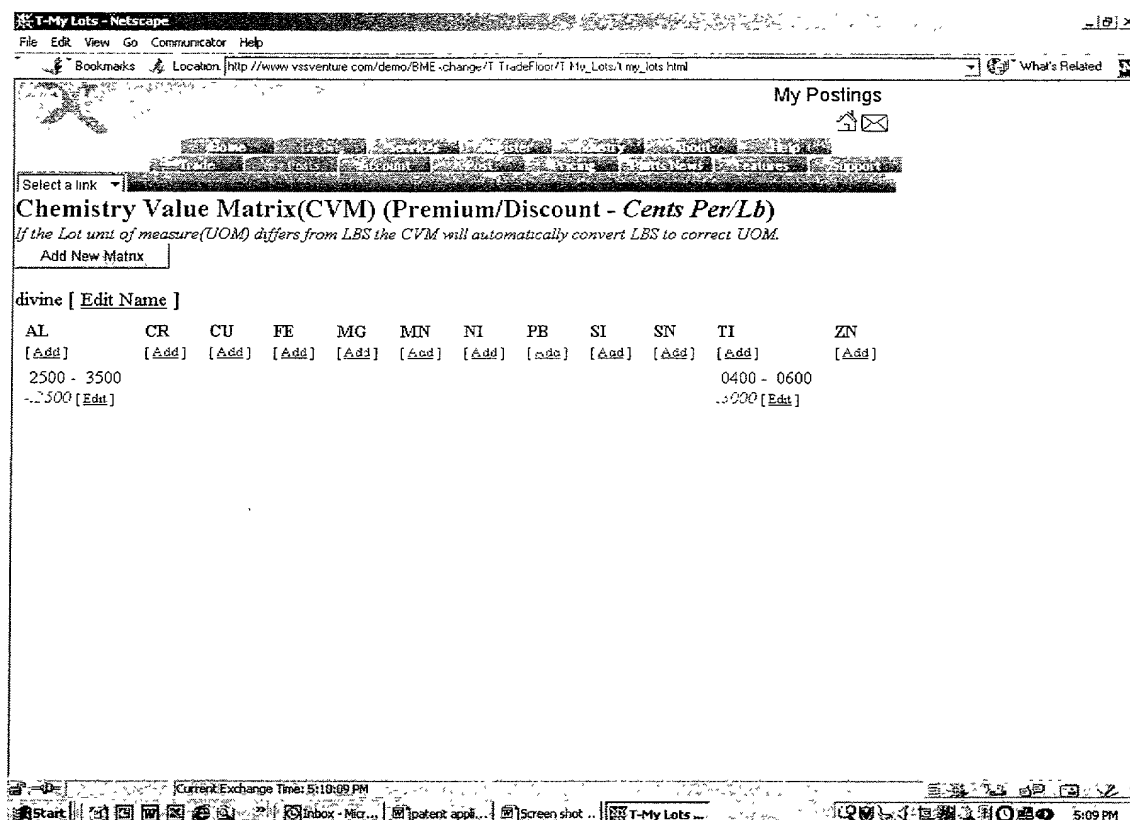


FIG. 22

Posted contracts with credit relationship icons

The screenshot shows the HedgeFloor website interface. The top navigation bar includes links for Hedge, FAS 133, Prices, Platts News, Logistics, OIL, and Admin. The left sidebar contains a 'Select a link' dropdown and buttons for Hedge Floor, New Bids/Offer, Create, My Contracts, History, Delete Bid/Offer, Subscribe, Prices, Products, Price Chart, Hold Contracts, and Set Credit +/-.

The main content area displays 'Bids' and 'Offers' tables. The 'Bids' table has columns: Bid ID, Effective, Terminates, Volume (MT), Price (cents/lb), Expires, Credit, Accept, Counter, and Improve. It lists two bids: Bid 421 and Bid 420. Bid 421 has a credit icon (+) and a 'Hit Bid' button. Bid 420 has a credit icon (+) and a 'Hit Bid' button.

The 'Offers' table has columns: Offer ID, Effective, Terminates, Volume (MT), Price (cents/lb), Expires, Credit, Accept, Counter, and Improve. It lists two offers: Offer 422 and Offer 423. Offer 422 has a credit icon (+) and a 'Take Offer' button. Offer 423 has a credit icon (X) and a 'Delete' button. A line labeled '2302' points to the 'Delete' button in Offer 423.

The bottom status bar shows the current exchange time as 4:59:16 PM and includes a taskbar with icons for Start, Inbox - Mic..., patent appl..., Document2..., and HedgeFloor.

FIG. 23

Metal identification information for a posted metal lot

Trade - Netscape

File Edit View Go Communicator Help

Trade

Select a link

Details of Lot 494 High Purity (6000 Series) Aluminum Sow

Lot posted by [paperpusher \(0\)](#) Links For [View Lot Owner Homepage](#)
[Feedback forum for the Owner](#)

[SHIP QUOTE](#) [REFRESH](#) [VALUE QUOTE](#) [E-mail Watch](#) [Mail Trader](#) [INFO](#)

Page Auto-Refresh - On Turn Off

Rate Information		Misc Information	
Procurement Status:	PREVIEW	Category:	Aluminum Scrap, High Purity, 6000 Series Sows
Opening bid:	\$ 6050	Lot	Default Zero - Base Chem
Order Bid:	\$ 6050	Chemistry:	Default
Next Bidding bids:	\$ 6050	Links For	Requested Chemistry
Time last bid received:	(No current bids)	Procurement Opens:	03/05/2001 / 10:30 AM CST
Current Time:	March 04, 2001 04:46 PM CST	Procurement Closes:	03/05/2001 / 11:00 AM CST (or 10 minutes after last bid)
Quantity Requested:	294000 Pounds-Lbs	Time until open:	0 days + 17 hours + 43 minutes
		Location:	MW
		Shipping Policy:	FOB Midwest

Description

Current Exchange Time: 4:46:14 PM

Start | [Inbox - Microsoft...](#) | [patent applicatio...](#) | Trade - Netscape | Document2 - Micr... | 4:46 PM

FIG. 24

Posting a bid (option: directly to floor or through a market specialist)

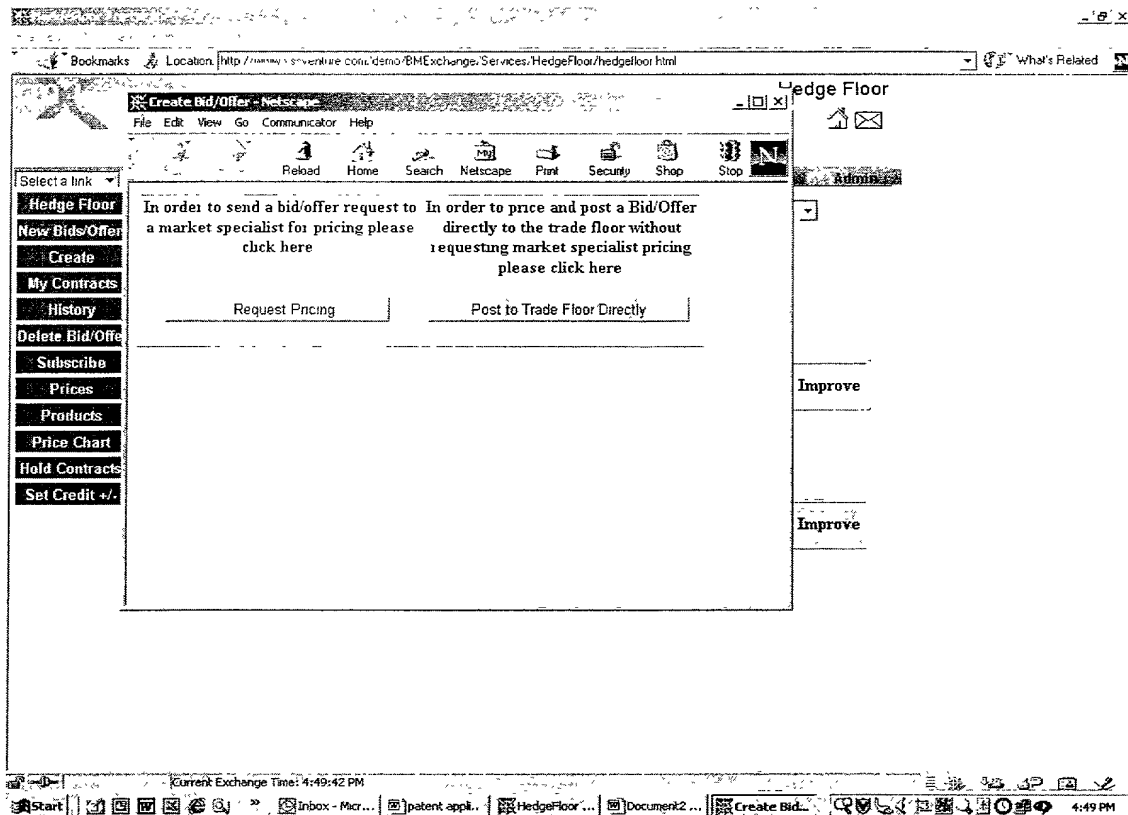


FIG. 25

Posting a bid (metal type and quantity)

The screenshot shows a Netscape browser window with the title "Create Bid/Offer - Netscape". The main content area displays a "Post Bid/Offer" form. The form has the following fields and options:

- Product Type:** A dropdown menu showing "Outright Purchase/Sale Midwest A-380".
- Posting Type:** Radio buttons for "Bid" (selected) and "Offer".
- Hedge Effective Date:** A date selector showing "4 Mar 2001".
- Hedge Termination Date:** A date selector showing "5 Mar 2001".
- Volume:** A text input field containing "10000".
- Check here for monthly contract:** A checked checkbox with the text "Check here for monthly contract (From the first to the last business day of the month)".
- Post Directly to Trading Floor:** A button at the bottom of the form.

The browser's status bar at the bottom shows "Page 6", "Sec 1", "6/6", "At 1", "Ln 1", "Col 2", and the time "4:50 PM". The taskbar at the very bottom shows several open applications, including "Inbox - Mic...", "patent app...", "HedgeFloor...", "Document2...", and "Create Bid...".

FIG. 26

Posting a bid (price)

The screenshot shows a Netscape browser window with the address bar displaying `http://www.sss-enture.com/demo/BMEExchange/Services/HedgeFloor/hedgetonr.html`. The page title is "Create Bid/offer - Netscape". On the left, a vertical menu contains links: "Hedge Floor", "New Bids/Offer", "Create", "My Contracts", "History", "Delete Bid/Offer", "Subscribe", "Prices", "Products", "Price Chart", "Hold Contracts", and "Set Credit +/-". The main content area is titled "Post bid request to trading floor" and contains the following form fields:

- Product: Outright Purchase/Sale Midwest A-380
- Effective Date: 1 Mar 2002
- Termination Date: 29 Mar 2002
- Price (cents/lb): 65
- Volume (MT): 10000
- Opening Date: 4 Mar 2001 Time (hh:mm) 4:52 PM
- Closing Date: 4 Mar 2001 Time (hh:mm) 5:07 PM

At the bottom of the form are two buttons: "Cancel" and "Post to Trading Floor". On the right side of the page, there are two "Improve" links. The status bar at the bottom indicates "Current Exchange Time: 4:52:53 PM" and shows several open windows: "Start", "Inbox - Mic...", "patent appl...", "HedgeFloor...", "Document2...", and "Create Bid...".

FIG. 27

Posting a bid (confirmation)

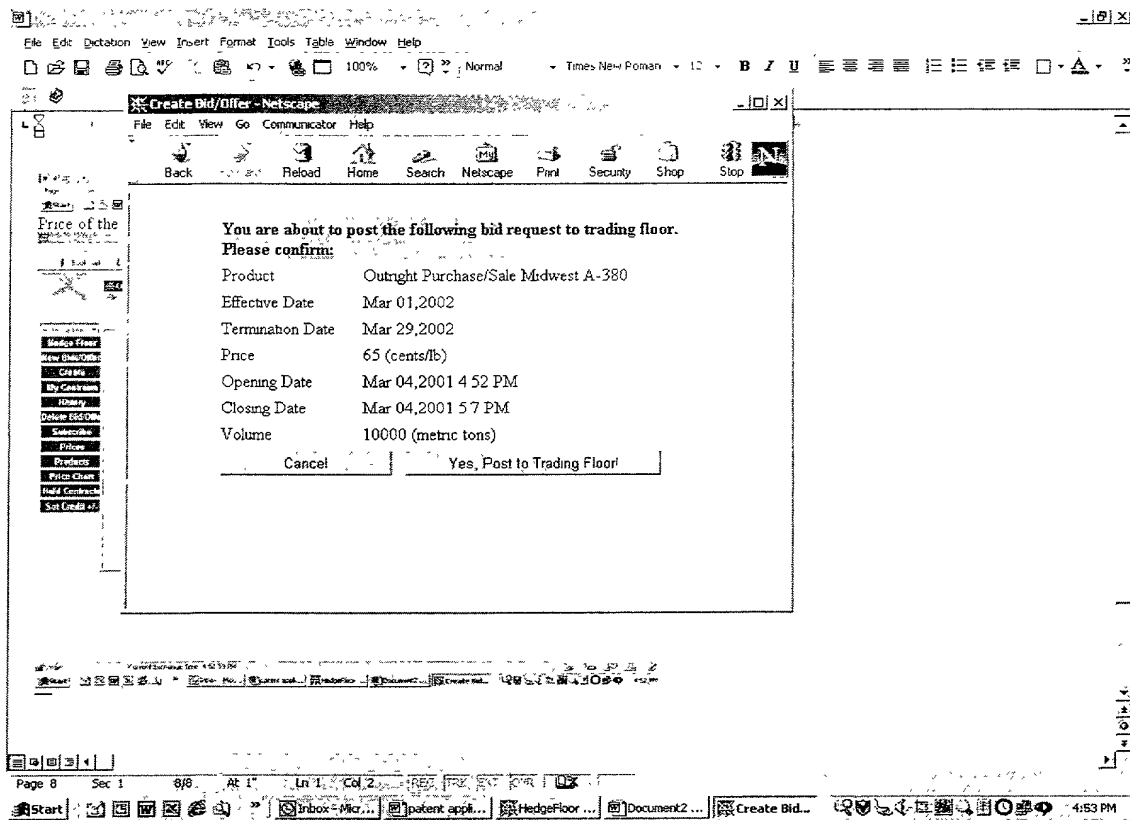


FIG. 28

Posting a bid (displayed on trading floor)

Hedge Floor

Bids/Offers for product type: Outright Purchase/Sale Midwest A-380 (1)
 Re-select product to see other Bids/Offers

Sort by: Effective Date Page Auto-Refresh - On Turn Off

Bids

Bid ID	Effective	Terminates	Volume (MT)	Price (cents/lb)	Expires	Credit	Accept	Counter	Improve
420	Mar 01, 2002	Mar 29, 2002	10000	0 65 0000	Mar 04, 2001 05 07 PM	X		N/A	Improve

Offers

Offer ID	Effective	Terminates	Volume (MT)	Price (cents/lb)	Expires	Credit	Accept	Counter	Improve
There are no open OFFERS at this time									

Current Exchange Time: 4:54:05 PM

Taskbar: Start, Inboxes - Mic..., patent appl..., HedgeFlo..., Document2..., 4:53 PM

FIG. 29

[illegible]

FIG. 30

Brady Trinity spot prices

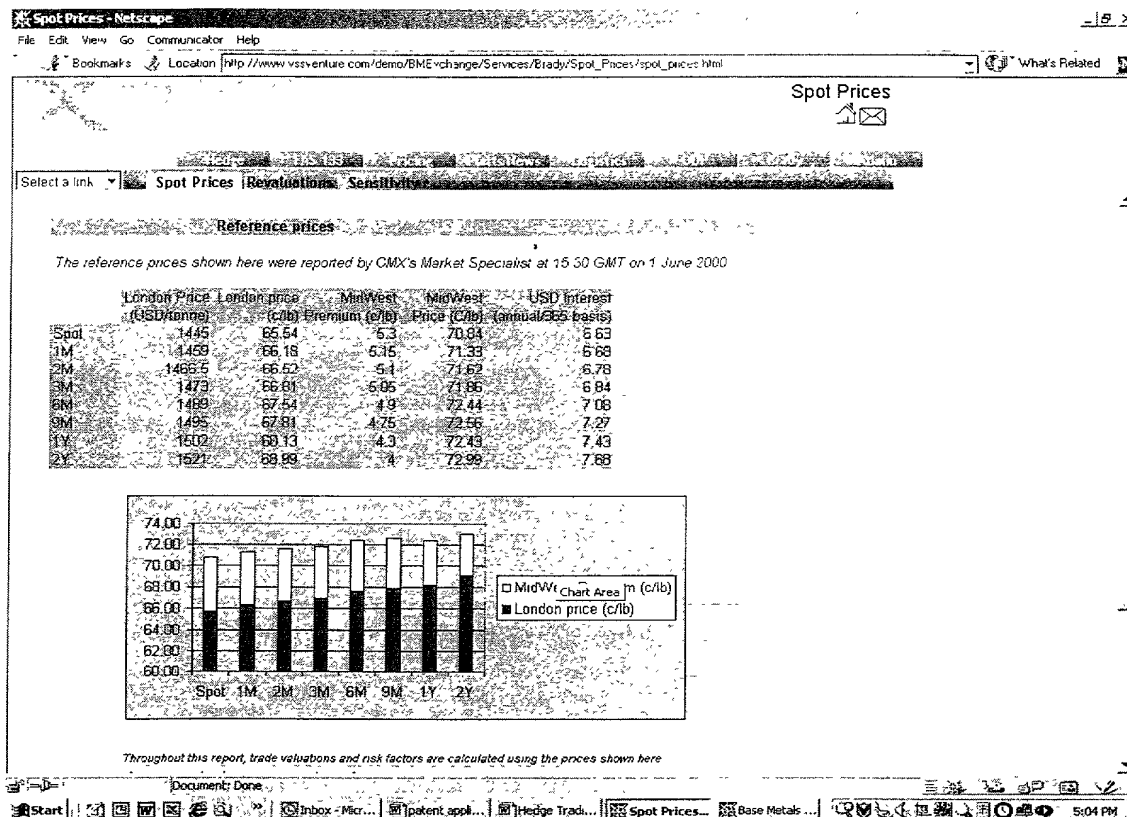


FIG. 31

Brady Trinity revaluations

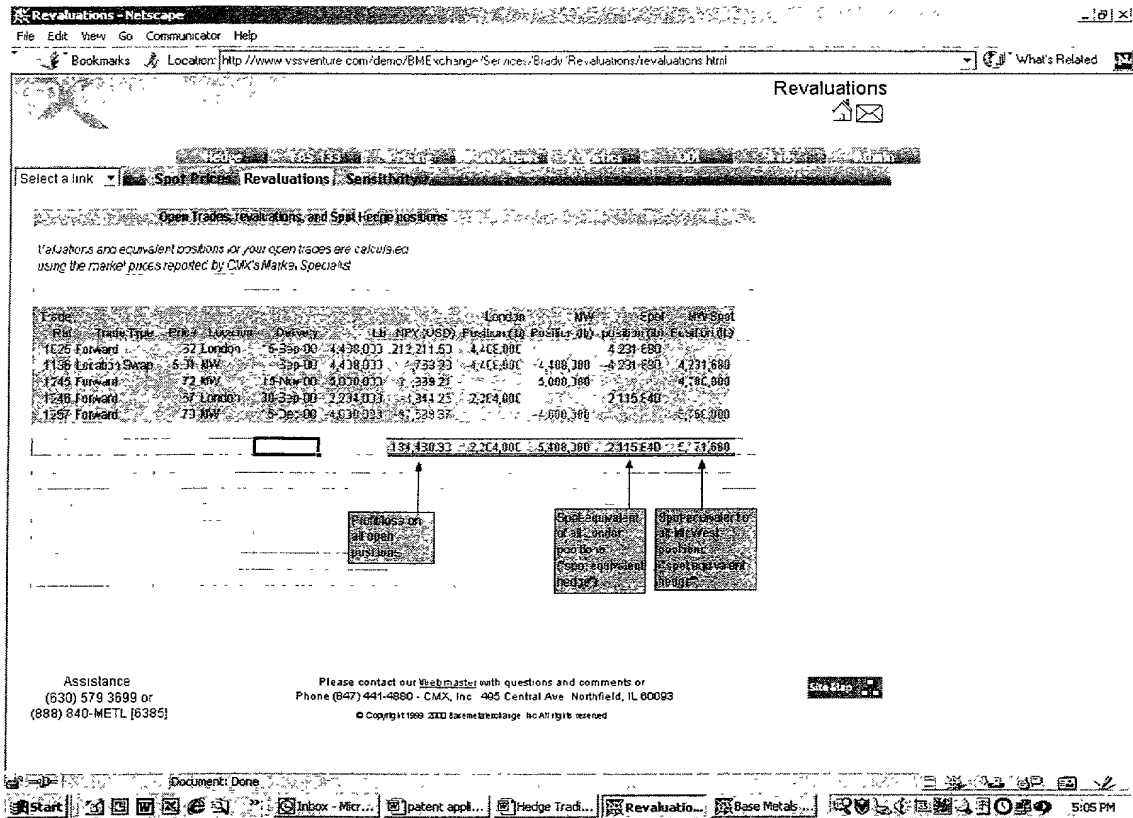


FIG. 32

Mark to market (intro page)

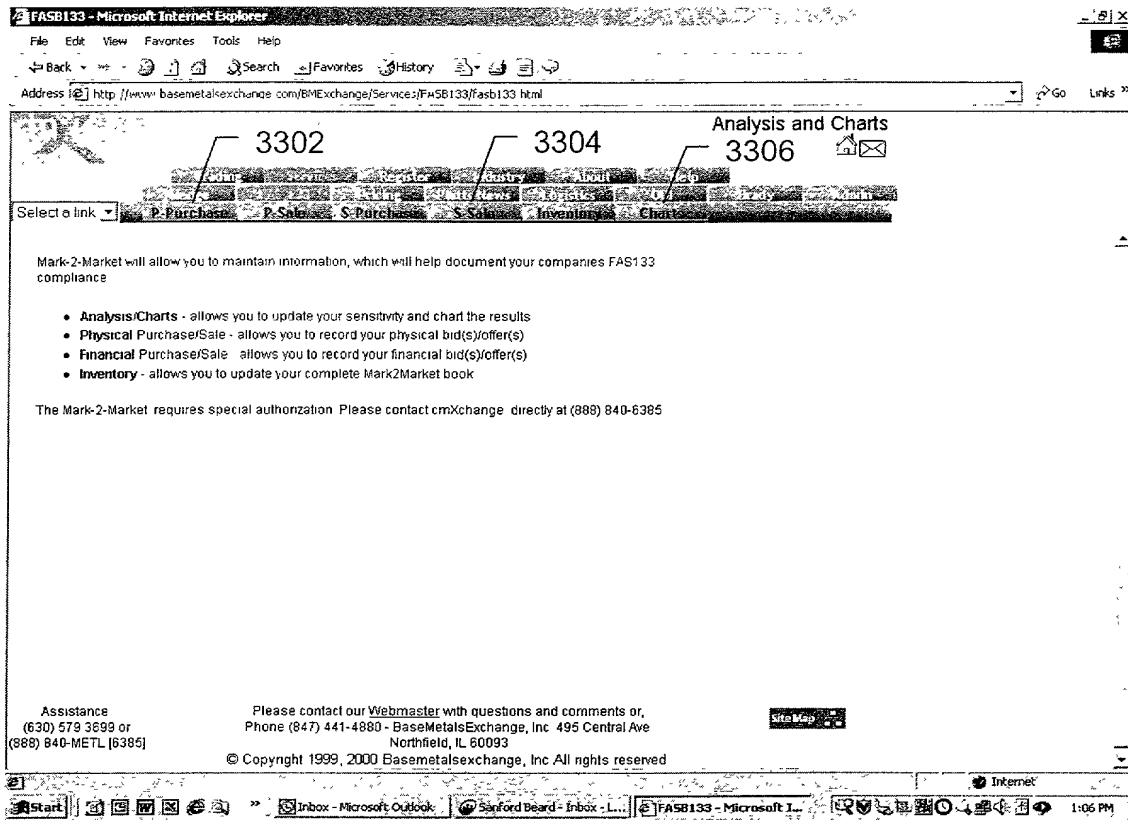


FIG. 33

Mark to market (physical purchase entry)

Physical Purchase - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address http://www.basemetalsexchange.com/BMExchange/Services/FASB133/Physical_Purchase/physical_purchase.html

Physical Purchase

3302 3304 3306

Select a link P-Purchase S-Purchase S-Sales Inventors Charts

P-Purchase Enter Records Edit Records

Physical Purchase Position Entry

Book Reference

Item Reference

Position Date 3/01/01

Grade Aluminum Casting 3191

Counter Party

Physical Volume 0

Price / lb 0

Premium 0

Submit

3402

3404

3406

3408

http://www.basemetalsexchange.com/BMExchange/Services/FASB133/Physical_Purchase/physical_purchase.html

Start Internet

Inbox - Microsoft... Sanford Beard - I... Physical Purcha... Document1 - Micr...

1:08 PM

FIG. 34

Mark to market (list of physical purchases)

Physical Purchase - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address http://www.basemetalsexchange.com/ET/Exchange/Services/FASB133/Physical_Purchase/physical_purchase.html

Physical Purchase 3302 3304 3306

Select a link: P-Purchase P-Sale S-Purchase S-Sale Inventory Characterization

Enter Records Edit Records

Physical Purchase Edit Form

Book Reference	Item Ref	Pos Date	Grade	Counter Party	Physical Volume	Price / LB	Premium	Delete
C3	1003	06/01/01	Aluminum Casting 319 1	C3	2500000 0	5950	0000	<input type="checkbox"/>
C2	1002	05/01/01	Aluminum Casting 319 1	C2	2000000 0	5975	0000	<input type="checkbox"/>
C1	1001	04/01/01	Aluminum Casting 319 1	C1	1000000 0	6000	0000	<input type="checkbox"/>

Update

Done

Start | Internet | Inbox - Microsoft | Sanford Beard - 1... | Physical Purcha... | Document1 - M... | 1:09 PM

FIG. 35

Mark to market (list of financial transactions)

Financial Sale - Microsoft Internet Explorer

Address: http://www.basemetalsexchange.com/BMExchange/Services/FASB133/Financial_Sale/financial_sale.html

Financial Sale

3302 3304 3306

Select a link: P-Purchase P-Sale S-Purchase S-Sale Inventory Chart

Enter Records Edit Records

Financial Sale Edit Form

Book Reference	Item Ref	Pos Date	Grade	Counter Party	Financial Volume	Price / LB	Premium	Delete
G1	9003	06/01/01	Aluminum Casting 319 1	G1	400000	5900	0000	<input type="checkbox"/>
H2	9002	05/01/01	Aluminum Casting 319 1	G1	2500000	5900	0000	<input type="checkbox"/>
H1	9001	04/01/01	Aluminum Casting 319 1	G1	1250000	6000	0000	<input type="checkbox"/>

Update

Done Start Inbox - Microsof... Sanford Beard - ... Financial Sale - Document1 - Mic... 1:17 PM

FIG. 36

Mark to market (price sensitivity entry)

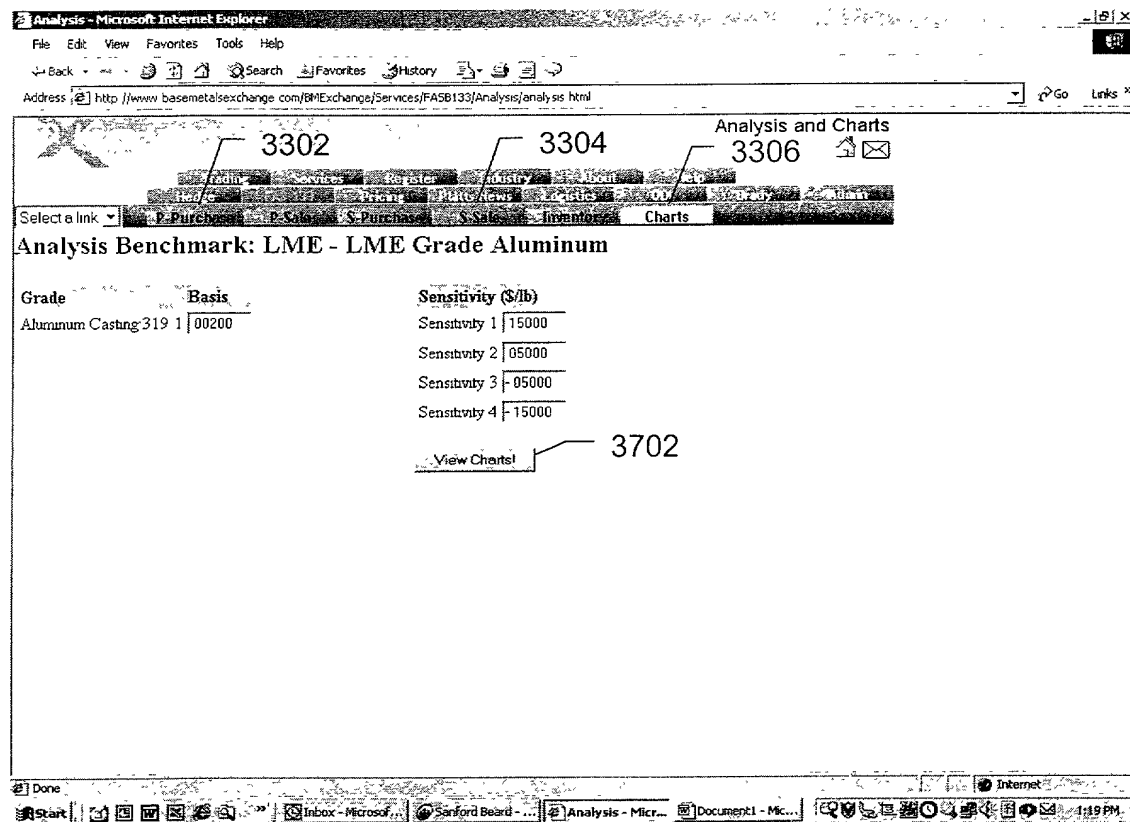


FIG. 37

Mark to market (sensitivity analysis)

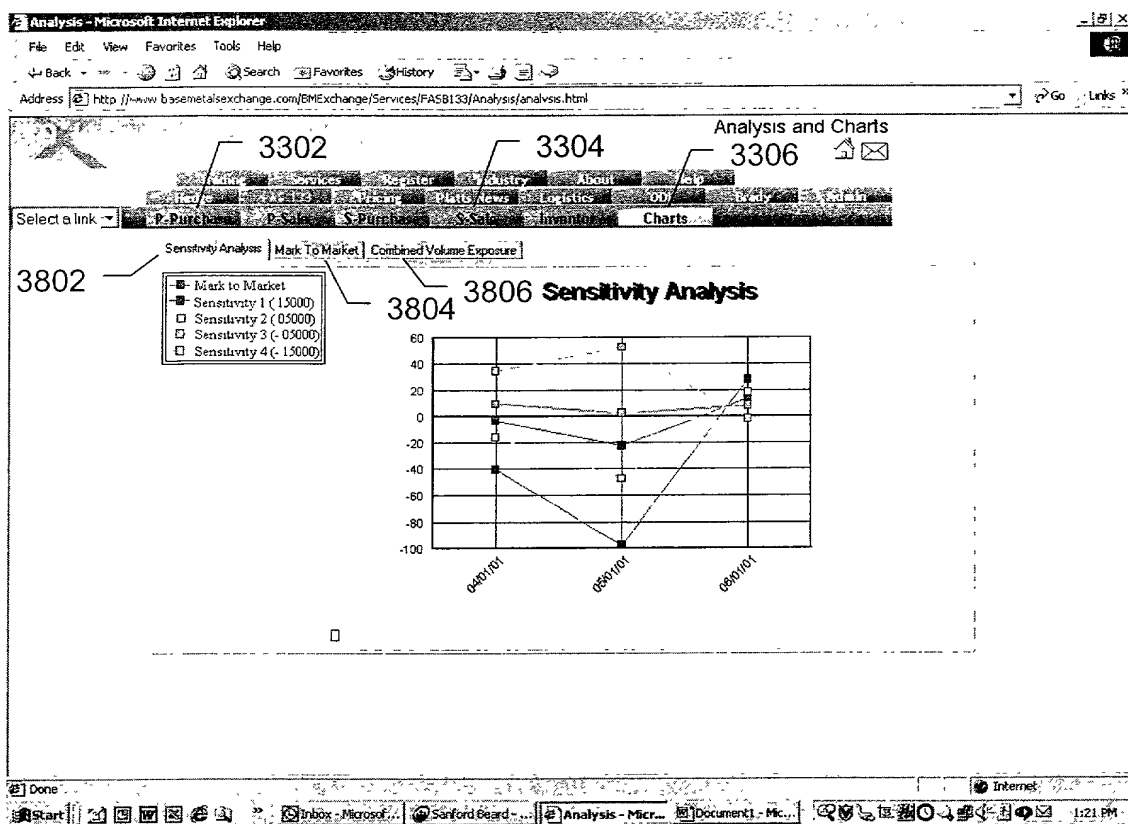


FIG. 38

Mark to market chart

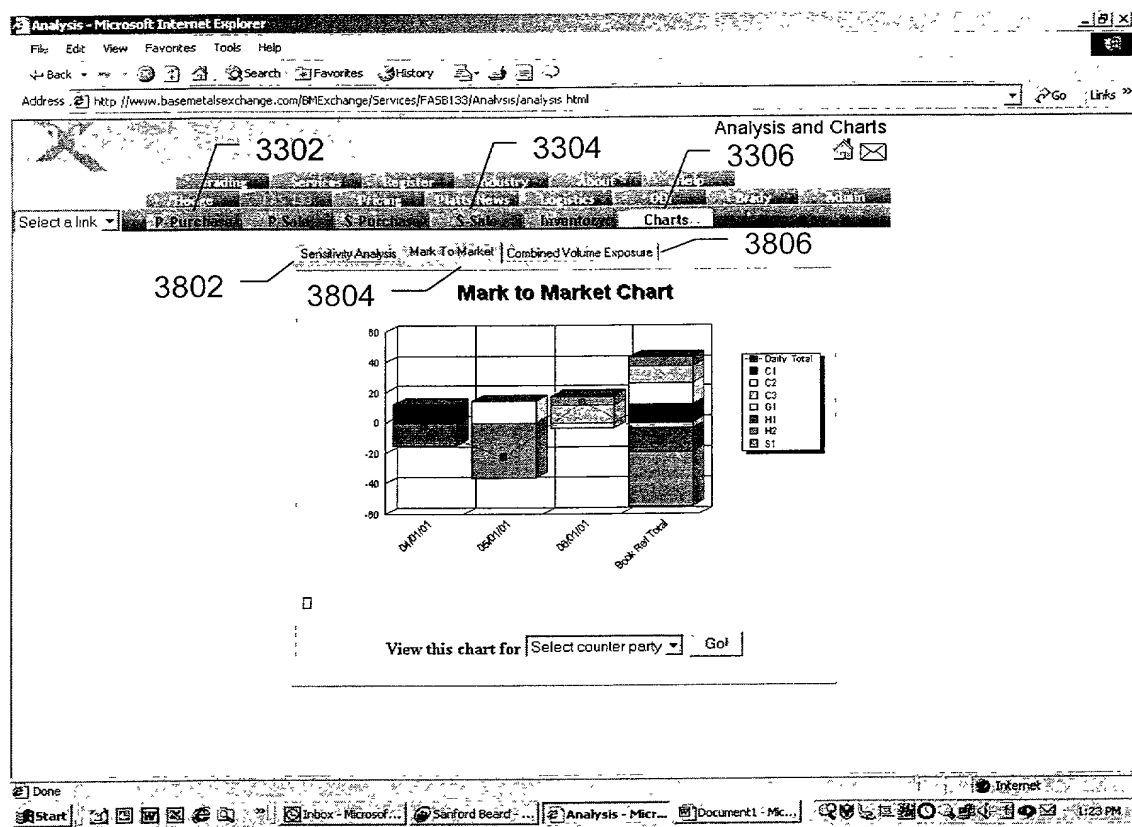


FIG. 39

Combined volume exposure chart

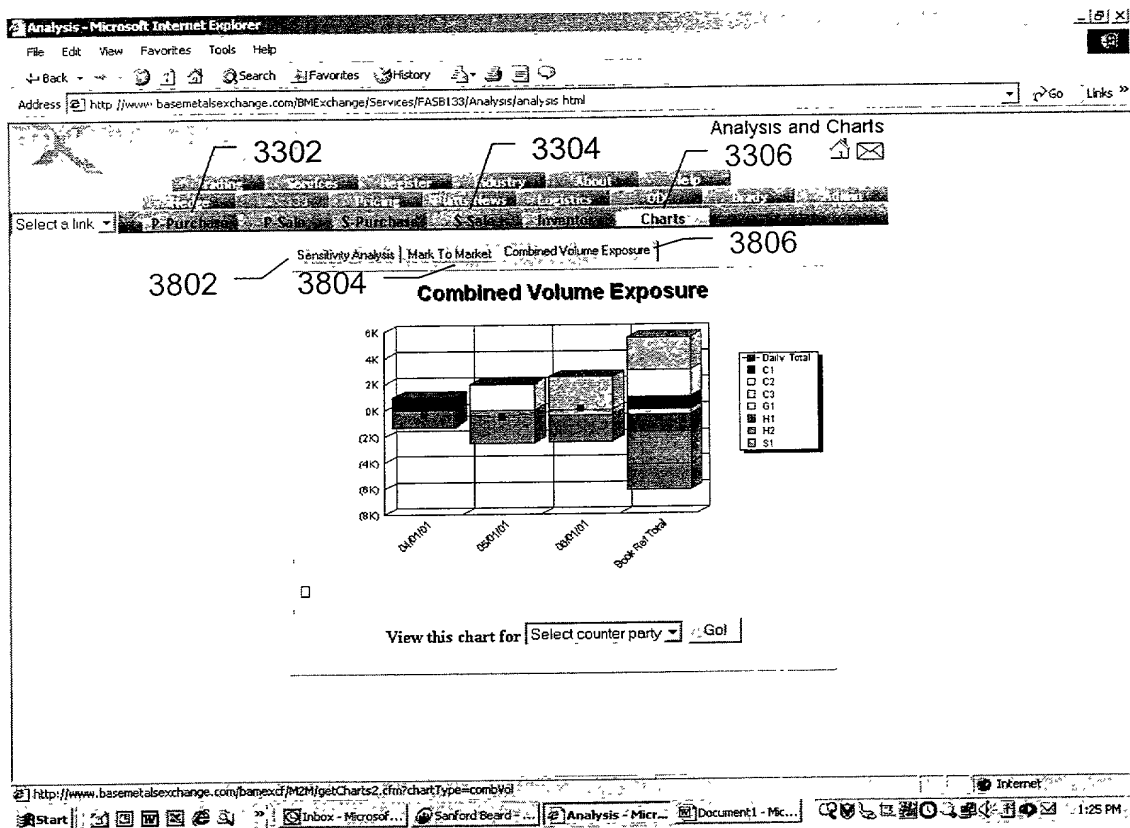


FIG. 40